

PATENT

PENDING CLAIMS AS AMENDED

Please amend the claims as follows:

1 - 11. (Canceled)

12. (Currently Amended) In a wireless communication system, the system supporting packet data transmissions and low delay data transmissions over a plurality of transmission channels, a method comprising:

transmitting packet data via a set of packet data channels;

transmitting control information associated with the packet data via a signaling channel, wherein the signaling channel is separate from the set of packet data channels, and wherein the control information identifies a target recipient of associated packet data, the transmission channel or channels for transmission of the packet data, and wherein the control information further identifies a coding scheme for the packet data;

receiving data requests from a plurality of mobile units;

determining a transmission schedule according to the data requests;

assigning a priority level to each of the plurality of mobile units; and

determining a traffic schedule among the plurality of mobile units based on priority level,

The method of claim 11, wherein a high priority is given to a mobile unit experiencing less interference than other of the plurality of mobile units.

13 - 40. (Canceled)